

Appl. No. : 10/018,637
Filed : June 7, 2002

AMENDMENTS TO THE CLAIMS

Please amend the Claims as follows. Insertions are shown underlined while deletions are ~~struck-through~~.

1 (currently amended): A catheter which includes comprising a tip end portion which is formed of a single-pipe tube and is adapted to be implanted in an abdominal cavity and a projection portion which is projected outside from an abdomen outer wall, and in which a plurality of through-hole rows, which are made up of pluralities of through-holes for draining formed to penetrate a side wall of the single-pipe tube and to be separated by a predetermined interval along an axial direction of the single-pipe tube, are formed at the tip end portion,

wherein ~~one~~ a single groove, ~~corresponded~~corresponding to each of said through-hole rows, ~~which~~ communicates with a plurality of said through-holes for draining at side surfaces of said through-holes for draining along a direction in which said through-hole row extends, and said each groove is narrower than a diameter of said through-hole ~~for draining~~, and is formed only at an outer peripheral surface of said tip end.

2 (currently amended): A catheter which includes a tip end portion which is formed of a single-pipe tube and is adapted to be implanted in an abdominal cavity and a projection portion which is projected outside from an abdomen outer wall, and in which a plurality of through-holes for draining that penetrate a side wall at said tip end portion are formed,

wherein a helical groove ~~which~~ communicates with a plurality of said through-holes ~~for draining~~ at side surfaces of said through-holes, ~~for draining~~ and said helical groove is narrower than a diameter of said through-holes ~~for draining~~ and is formed only at an outer peripheral surface of said tip end portion.

3 (previously presented): The catheter of Claim 1, further comprising a cuff for fixing said catheter to an abdominal portion.

4 (previously presented): The catheter of Claim 1, wherein said groove is formed along an entire length of said tip end portion.

5 (previously presented): The catheter of Claim 1, wherein width of said groove is 0.1 mm to 0.8 mm.

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6 (previously presented): The catheter of Claim 1, wherein said through-holes for draining are side holes.

7 (previously presented): The catheter of Claim 1, wherein said groove is a slit which is not closed even by soft tissue of an intraperitoneal organ.

8 (previously presented): The catheter of Claim 2, further comprising a cuff for fixing said catheter to an abdominal portion.

9 (previously presented): The catheter of Claim 2, wherein said groove is formed along an entire length of said tip end portion.

10 (previously presented): The catheter of Claim 3, wherein said groove is formed along an entire length of said tip end portion.

11 (previously presented): The catheter of Claim 8, wherein said groove is formed along an entire length of said tip end portion.

12 (previously presented): The catheter of Claim 2, wherein width of said groove is 0.1 mm to 0.8 mm.

13 (previously presented): The catheter of Claim 3, wherein width of said groove is 0.1 mm to 0.8 mm.

14 (previously presented): The catheter of Claim 8, wherein width of said groove is 0.1 mm to 0.8 mm.

15 (previously presented): The catheter of Claim 4, wherein width of said groove is 0.1 mm to 0.8 mm.

16 (previously presented): The catheter of Claim 9, wherein width of said groove is 0.1 mm to 0.8 mm.

17 (previously presented): The catheter of Claim 10, wherein width of said groove is 0.1 mm to 0.8 mm.

18 (previously presented): The catheter of Claim 11, wherein width of said groove is 0.1 mm to 0.8 mm.

19 (previously presented): The catheter of Claim 2, wherein said through-holes for draining are side holes.

20 (previously presented): The catheter of Claim 2, wherein said groove is a slit which is not closed even by soft tissue of an intraperitoneal organ.